

News and Updates

April 12, 2018

HPC Resources

- CSI proposals
 - 24 advanced to scientific review by late February
 - 11 approved (one from ATLAS) and scheduled
 - 13 still being evaluated
- Institutional Cluster expansion
 - 36 machines delivered to BNL last week
 - Expect them to join Slurm pool later in April
- Skylake Cluster
 - Cluster nodes and IB equipment ordered
 - No ETA yet – estimate May/June delivery

Monitoring (Prototype)

Allocation Usage(test page) (Core Hours)

	Cluster	Account	Start Date	End Date	Total Allocation	Usage	Percentage Used
	Annie-IC	lqcd	2018-03-15	2018-09-30	13,824,000	763,789	5.53%
	Project Name	project Usage	project allocation	Free	Percentage Used	Pace	
1	axial-gpu	80,948	909,166	828,218	8.90%	63.28%	
2	chispin	256,003	1,212,166	956,163	21.12%	150.10%	
3	class-c	0	276,480	276,480	0.00%	0.00%	
4	nucstrucclover	170,581	606,000	435,419	28.15%	200.06%	
5	stagmug-2	150,673	303,000	152,327	49.73%	353.42%	
6	thermog	105,581	2,811,666	2,706,085	3.76%	26.69%	
7	Total:	763,786	6,118,478	5,354,692	12.48%	88.72%	

	Cluster	Account	Start Date	End Date	Total Allocation	Usage	Percentage Used
	Francis-KNL	lqcd	2018-01-01	2018-12-31	105,431,040	25,114,260	23.82%
	Project Name	project Usage	project allocation	Free	Percentage Used	Pace	
1	class-c	392,288	405,504	13,216	96.74%	348.65%	
2	k2pipipbc	13,284,338	41,386,666	28,102,328	32.10%	115.68%	
3	qcdqedta	11,437,633	21,617,777	10,180,144	52.91%	190.68%	
4	Total:	25,114,259	63,409,947	38,295,688	39.61%	142.74%	

Technology Meeting

- Detailed presentations on technology testbeds, facility services, hardware/software platforms, computing models, etc
- To be held once every 1-2 months on a Thursday with no scheduled Liaison meeting
 - Same time and location (2-3 pm in room 3-192 in Bldg. 510)
 - Speakers may come from SDCC staff, Liaisons (or other users), external organizations, etc
- We begin with Alex Zaytsev (Design & Evolution of the RACF/SDCC Network Systems) next Thursday (02/22)
- Future (tentative) presentations include:
 - BNLBox (May 3rd– more details at next meeting)
 - HTCondor Shared Cluster
 - Jupyter
 - CVMFS
 - Continuous Integration